

911405

Abstract

This invention describes the production of mass spectra which contain a multiplicity of peaks. The component ions of these peaks, which are multiply charged, are formed by dispersing a solution containing an analyte into a bath gas as highly charged droplets. The analyte is generally a compound of high molecular weight and is of biochemical interest. The invention also describes methods for calculating the molecular weight of the analyte from the measured mass values of the highly charged ions.